

INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP03/14080

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ B28D5/00, C03B33/03, C03B33/023.

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ B28D5/00-5/04, C03B33/00-33/14

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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Kokai Jitsuyo Shinan Koho	1971-2004	Jitsuyo Shinan Toroku Koho	1996-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2000-63137 A (Toyota Motor Corp.), 29 February, 2000 (29.02.00), Claims 1, 2; Fig. 1 (Family: none)	1-15
A	JP 2002-308637 A (Sony Corp.), 23 October, 2002 (23.10.02), Par. Nos. [0051] to [0054]; Figs. 10 to 15 (Family: none)	1-15
A	JP 2001-151525 A (Mitsuboshi Diamond Kogyo Kabushiki Kaisha), 05 June, 2001 (05.06.01), Claim 2; Figs. 12, 13 (Family: none)	1-15

☒ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

<p>* Special categories of cited documents:</p> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier document but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p>	<p>"I" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"&" document member of the same patent family</p>
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Date of the actual completion of the international search 03 February, 2004 (03.02.04)	Date of mailing of the international search report 17 February, 2004 (17.02.04)
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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2000-61676 A (Asahi Glass Co., Ltd.), 29 February, 2000 (29.02.00), Claim 1; Fig. 1 (Family: none)	1-15
A	JP 2001-58317 A (Kabushiki Kaisha Berudekkusu), 06 March, 2001 (06.03.01), Claim 1; Fig. 1 (Family: none)	1-15